

INTERNATIONAL SEARCH REPORT

International Application No

/NL2004/000477

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 D03D47/28 D03D47/24 D03D49/42 D03D49/50

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 D03D D03J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 046 174 A (WEUGER KARL W) 6 September 1977 (1977-09-06) column 1, line 58 - line 63 column 12, line 13 - line 26; figures	1,2,9, 11,12, 14,15,21
X	US 4 187 887 A (CYVAS PETRAS) 12 February 1980 (1980-02-12) column 4, line 21 - column 5, line 3; figure 4	1,2,9, 11,12
A	NL 7 309 850 A (CROMPTON & KNOWLES) 28 January 1974 (1974-01-28) cited in the application page 14, line 22 - page 15, line 25; figures	1-3,9, 11,12, 14,15,21

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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- *A* document defining the general state of the art which is not considered to be of particular relevance
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Date of the actual completion of the International search

16 November 2004

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tional Application No
'NL2004/000477

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	FR 1 227 995 A (ZANGS AG MASCHF) 26 August 1960 (1960-08-26) figures -----	1,9
A	FR 1 365 006 A (OERLIKON BUEHRLE AG) 26 June 1964 (1964-06-26) figures -----	1,9
A	US 2 982 315 A (JOHANNES KLEIN ET AL) 2 May 1961 (1961-05-02) the whole document -----	

INTERNATIONAL SEARCH REPORT

Information on patent family members

National Application No

/NL2004/000477

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 4046174	A 06-09-1977	NONE	
US 4187887	A 12-02-1980	AT 3655 T AU 522824 B2 AU 5185879 A CA 1108962 A1 CS 221903 B2 DE 2965585 D1 EP 0011431 A1 JP 1433486 C JP 55067045 A JP 62028218 B	15-06-1983 24-06-1982 22-05-1980 15-09-1981 29-04-1983 07-07-1983 28-05-1980 07-04-1988 20-05-1980 18-06-1987
NL 7309850	A 28-01-1974	US 3831640 A AR 197516 A1 AR 203270 A1 AT 340333 B AT 621875 A AT 326058 B AT 629573 A AT 327119 B AT 629673 A AT 332319 B AT 629773 A AU 475317 B2 AU 5584573 A BE 800814 A1 CA 978061 A1 CA 982026 A2 CA 988007 A2 CH 560264 A5 CH 558436 A CH 559790 A5 CS 209409 B2 CS 209408 B2 DD 105263 A5 DD 105264 A5 DD 105265 A5 DE 2337785 A1 DE 2337786 A1 DE 2337787 A1 FR 2193897 A1 FR 2296715 A1 FR 2296714 A1 GB 1441151 A GB 1441152 A GB 1441153 A IN 139863 A1 IN 139864 A1 IN 139865 A1 IT 988171 B JP 49057153 A JP 59040933 B SE 414795 B SE 414794 B SE 7702134 A SE 434523 B SE 7702135 A	27-08-1974 15-04-1974 29-08-1975 12-12-1977 15-03-1977 25-11-1975 15-01-1975 12-01-1976 15-03-1975 27-09-1976 15-12-1975 19-08-1976 21-11-1974 01-10-1973 18-11-1975 20-01-1976 27-04-1976 27-03-1975 31-01-1975 14-03-1975 31-12-1981 31-12-1981 12-04-1974 12-04-1974 12-04-1974 07-02-1974 07-02-1974 07-02-1974 22-02-1974 30-07-1976 30-07-1976 30-06-1976 30-06-1976 30-06-1976 14-08-1976 14-08-1976 14-08-1976 10-04-1975 03-06-1974 03-10-1984 18-08-1980 18-08-1980 25-02-1977 30-07-1984 25-02-1977

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

/NL2004/000477

Patent document cited in search report	Publication date		Patent family member(s)	Publication date
NL 7309850	A		SU 650515 A3 SU 515468 A3 SU 664573 A3 US 3902530 A ZA 7302428 A	28-02-1979 25-05-1976 25-05-1979 02-09-1975 24-04-1974
FR 1227995	A	26-08-1960	NONE	
FR 1365006	A	26-06-1964	NONE	
US 2982315	A	02-05-1961	DE 1082197 B CH 360665 A GB 874914 A	19-05-1960 28-02-1962 16-08-1961